

# Anti AMACR antibody

Catalog No: tcsa6947



## Available Sizes

**Size:** 100μl

**Size:** 200μl



## Specifications

**Application:**

WB, IHC-p

**Species Reactivity:**

Human, Mouse, Rat

**Host Species:**

Mouse

**Immunogen / Amino acids:**

Synthetic Peptide

**Conjugation:**

Unconjugated

**Clonality:**

Monoclonal

**Clones:**

4A12

**Isotype:**

IgG1

**Form:**

Liquid

**Storage Buffer:**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

#### Recommended Dilution:

WB 1:1000

IHC 1:200

#### Storage Instruction:

Store at -20°C, and avoid repeat freeze-thaw cycles.

#### Alternative Names:

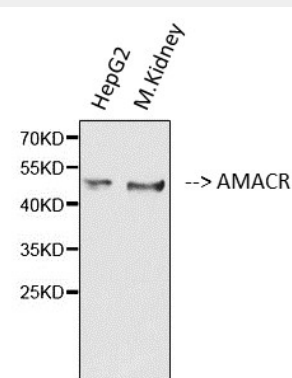
AMACR antibody; Alpha-methylacyl-CoA racemase antibody; 2-methylacyl-CoA racemase antibody

#### SwissProt:

Q9UHK6\_HUMAN

### Product Description

AMACR is a protein encoded by the AMACR gene which is approximately 42,3 kDa. AMACR is localised to the mitochondrion. It is involved in the synthesis of bile acids and bile salts, peroxisomal lipid metabolism and the statin pathway. It is an enzyme that interconverts pristanoyl-CoA and C27-bile acylCoAs between their R- and S-stereoisomers. The conversion to the S-stereoisomers is necessary for degradation of these substrates by peroxisomal beta-oxidation. AMACR is expressed in the kidney, liver, cells of the nervous system, skin and intestine. Mutations in the AMACR gene may result in a bile acid synthesis defect. STJ96949 was developed from clone 4A12 and was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen. This primary antibody detects endogenous AMCAR/P504S proteins.



Western Blot (WB) analysis of 1. HepG2 2. Mouse kidney cells using AMACR Monoclonal Antibody. (STJ96949)

Western blot (WB) analysis of AMACR Monoclonal Antibody.



Immunohistochemistry (IHC) staining of Mouse prostate adenocarcinoma tissue, diluted at 1:200.

All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!